





**PAGER** Version 4

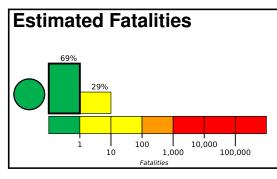
100,000

Created: 2 hours, 3 minutes after earthquake

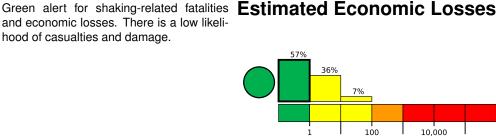
1,000

# M 5.7, 2 km SW of Phala, Hawaii

Origin Time: 2024-02-09 20:06:31 UTC (Fri 10:06:31 local) Location: 19.2308° N 155.5097° W Depth: 34.6 km



and economic losses. There is a low likelihood of casualties and damage.



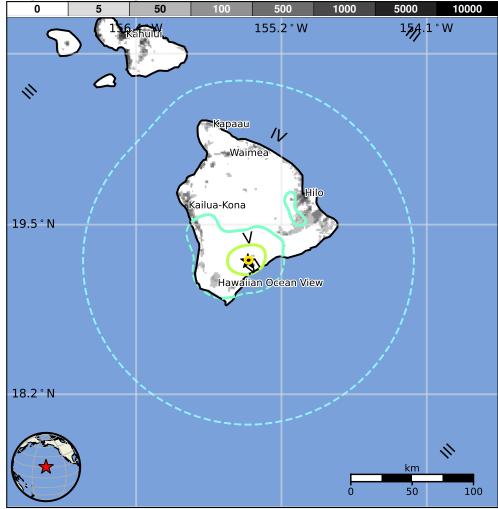
**Estimated Population Exposed to Earthquake Shaking** 

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	164k*	161k	34k	0	1k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		ı	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

<sup>\*</sup>Estimated exposure only includes population within the map area.

## Population Exposure

population per 1 sq. km from Landscan



#### PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/hv74103036#pager

#### **Structures**

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

### **Historical Earthquakes**

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1973-04-26	90	6.2	VII(74k)	0
2006-10-15	86	6.7	VIII(15k)	0
1975-11-29	55	7.2	IX(30k)	2

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

MMI	City	Population
VII	Pahala	1k
٧	Hawaiian Ocean View	4k
٧	Captain Cook	3k
٧	Mountain View	4k
٧	Kealakekua	2k
٧	Honaunau-Napoopoo	3k
IV	Hilo	43k
IV	Kailua-Kona	12k
Ш	Kihei	21k
Ш	Kahului	26k
Ш	Wailuku	15k

bold cities appear on map.

(k = x1000)